

In the Specification

Please substitute the following Table 8 beginning on page 45 through to page 46:

**TABLE 8:**  
**CHEMOKINES**

| <b>Reference</b>                 | <b>Protein</b>                                                                   | <b>Function</b>                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <u>BCA-1 / BLC-1</u>             | B Cell-Attracting chemokine-1 (B-Lymphocytes Chemoattracting) (CXCL13)           | B-cell attractant                                                                                                                  |
| <u>BRAK / Kcc</u>                | CXC chemokine in breast and kidney / Kidney-expressed chemokine (SCYB14, CXCL14) | Involved in MΦ development                                                                                                         |
| <u>CXCL16</u>                    | CXC-chemokine 16                                                                 |                                                                                                                                    |
| <u>ENA-78 / LIX</u>              | Epithelial cell-derived neutrophil-activating protein 78 (CXCL5, SCYB5)          | Neutrophil activating peptide                                                                                                      |
| <u>Eotaxin-1</u>                 | Eotaxin-1 (CCL11)                                                                | Eosinophil chemotaxis                                                                                                              |
| <u>Eotaxin-2 / MPIF-2</u>        | Eotaxin-2 (CCL24,CKβ6)                                                           | Chemotactic agent for T-cells and eosinophils                                                                                      |
| <u>Exodus-2 / SLC</u>            | Exodus-2 (CCL21, CKβ9, SCYA21)                                                   | Angiostatic activity, chemotactic agent for T-cells, dendritic cells, CD34 <sup>+</sup> hematopoietic cells, NK cells, and B-cells |
| <u>Fractalkine/Neurotactin</u>   | Fractalkine / Neurotactin (CX3CL1)                                               | Chemotactic agent for T-cells and monocytes                                                                                        |
| <u>GROα / MGSA</u>               | Melanoma Growth Stimulatory Activity protein (CXCL1)                             | Neutrophil activation                                                                                                              |
| <u>HCC-1</u>                     | Hemofiltrate CC chemokine 1 (SCYA14, CCL14)                                      | Chemotactic agent for monocytes and THP-1 cells                                                                                    |
| <u>IL8</u>                       | Interleukin 8 (CXCL8)                                                            | <del>Chemoattractant</del> Chemoattractant for neutrophils, basophils, and T-cells; activates neutrophils                          |
| <u>I-TAC</u>                     | Interferon-stimulated T-cell alpha chemoattractant (CXCL11)                      |                                                                                                                                    |
| <u>Lymphotactin / ATAC / SCM</u> | Lymphotactin (CL1, LTN)                                                          | Chemoattractant for T and NK cells                                                                                                 |

| Reference                                               | Protein                                                         | Function                                                                                                  |
|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <u>MCP-1 / MCAF</u>                                     | Monocyte Chemotactic Protein 1 (CCL2, SCYA2)                    | Chemoattractant for monocytes and neutrophils; augments neutrophil anti-tumor activity                    |
| <u>MCP-3</u>                                            | Monocyte Chemotactic Protein 3 (CCL7, SCYA7)                    | Chemoattractant for <del>monocytes</del> monocytes and eosinophils; augments monocyte anti-tumor activity |
| <u>MCP-4</u>                                            | Monocyte Chemotactic Protein 4 (CCL13, SCYA13)                  | Chemoattractant for monocytes, lymphocytes, basophils, and eosinophils                                    |
| <u>MDC / STCP-1 / ABCD-1</u>                            | Macrophage-Derived Chemokine (CCL22, SCYA22)                    | Chemoattractant for T-cells, activated lymphocytes, and monocytes                                         |
| <u>MIP-1<math>\alpha</math></u>                         | Macrophage Inflammatory Protein 1 alpha (CCL3, SCYA3)           | Chemoattractant for lymphocytes                                                                           |
| <u>MIP-1<math>\beta</math></u>                          | Macrophage Inflammatory Protein 1 beta (CCL4, SCYA4)            | Chemoattractant for monocytes, dendritic cells, NK cells and T-cells                                      |
| <u>MIP-2<math>\alpha</math> / GRO<math>\beta</math></u> | Macrophage Inflammatory Protein 2 alpha (CXCL2)                 |                                                                                                           |
| <u>MIP-3<math>\alpha</math> / Exodus / LARC</u>         | Macrophage Inflammatory Protein 3 alpha (CCL20, SCYA20)         | Chemoattractant for lymphocytes, activated NK cells, dendritic cells                                      |
| <u>MIP-3<math>\beta</math> / Exodus-3 / ELC</u>         | Macrophage Inflammatory Protein 3 beta (CCL19, SCYA19)          | Chemoattractant for T-cells, B-cells, and dendritic cells                                                 |
| <u>MIP-4 / PARC / DC-CK1</u>                            | Macrophage Inflammatory Protein 4 (CCL18, CK $\beta$ 7, SCYB18) | Chemoattractant for T-cells                                                                               |
| <u>RANTES</u>                                           | Rantes, formerly "T cell-specific protein" (CCL5)               | Chemoattractant for memory T-cells, monocytes, and eosinophils                                            |
| <u>SDF1<math>\alpha</math></u>                          | Stroma Cell-Derived Factor 1 Alpha                              | Chemoattractant for neutrophils, lymphocytes, and monocytes                                               |
| <u>TARC</u>                                             | Thymus and Activation-Regulated Chemokine (CCL17)               | Chemoattractant for activated T <sub>H2</sub> -cells                                                      |
| <u>TECK</u>                                             | Thymus-Expressed Chemokine (CCL25)                              | Chemoattractant for thymocytes, M $\Phi$ , Thp-1 cells, and dendritic cells                               |

Please substitute the following Table 9 beginning on page 47:

**TABLE 9:**  
**CYTOKINES**

| <b>Reference</b>                                | <b>Protein</b>                                        | <b>Function</b>                                                                                                                                         |
|-------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>GM-CSF</u>                                   | Macrophage Colony Stimulating Factor                  | Growth and differentiation of hematopoietic lineages ( <i>e.g.</i> , granulocytes, MΦ, eosinophils, and erythrocytes)                                   |
| <u>IFN alpha</u>                                | Interferon Alpha                                      | Anti-tumor and anti-viral activity                                                                                                                      |
| <u>IFN beta</u>                                 | Interferon Beta                                       | Antiviral, antibacterial, and anticancer activity                                                                                                       |
| <u>IFN gamma</u>                                | Interferon Gamma                                      | Stimulates CTL responses; antiviral and anti proliferative activity on transformed cells                                                                |
| <b>Interleukins</b>                             |                                                       |                                                                                                                                                         |
| <u>IL-1 beta</u>                                | Interleukin-1 Beta                                    | Stimulates B-cell maturation/proliferation                                                                                                              |
| <u>IL-2</u>                                     | Interleukin-2                                         | Regulates immune response and T-cell proliferation                                                                                                      |
| <u>IL-4</u>                                     | Interleukin-4                                         | Activates B-cells                                                                                                                                       |
| <u>IL-6</u>                                     | Interleukin-6                                         | B-cell differentiation                                                                                                                                  |
| <u>IL-10</u>                                    | Interleukin-10                                        | immunosuppressive and anti-inflammatory                                                                                                                 |
| <u>IL-12elasti</u>                              | Interleukin-12 (with elastin linker between subunits) | Growth factor for activated T-cells and MNK cells; enhances lytic activity of NK/LAK cells                                                              |
| <u>IL-13</u>                                    | Interleukin-13                                        | Anti-inflammatory agent                                                                                                                                 |
| <u>IL-15</u>                                    | Interleukin-15                                        | Stimulates T-lymphocyte and NK proliferation                                                                                                            |
| <u>IL-16</u>                                    | Interleukin-16                                        | Chemoattractant for CD4 lymphocytes, monocytes, dendritic cells, and eosinophils                                                                        |
| <u>IL-18</u>                                    | Interleukin-18                                        | Induces IFN-γ and augments NK activity                                                                                                                  |
| <u>IL-18BPα</u>                                 | Interleukin-18 binding protein, isoform A             | Inhibitor of early Th1 cytokine response                                                                                                                |
| <u>IL-23</u>                                    | Interleukin-23                                        | Stimulates proliferation of memory Tcells; stimulates IFN-γ production                                                                                  |
| <u>IL-24</u>                                    | Interleukin-24                                        |                                                                                                                                                         |
| <u>VIP</u>                                      | Vasoactive Intestinal Peptide                         | Vasodilator; lowers arterial blood pressure; stimulates myocardial contractility; smooth muscle relaxant; MΦ activator; stimulates T-cell proliferation |
| <b>TNF Superfamily</b>                          |                                                       |                                                                                                                                                         |
| <u>LIGHT / TNFSF14</u>                          | Tumor Necrosis Factor SuperFamily member 14           | Induces apoptosis, stimulates Tcells, suppresses <i>in vivo</i> tumor formation                                                                         |
| <u>sTALL-1 / TNFSF13B</u><br>(also called BLYS, | Tumor Necrosis Factor SuperFamily member 13B          | Stimulates B-cell proliferation                                                                                                                         |

|                          |                                                                 |                                                                            |
|--------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|
| BAFF, THANK)             |                                                                 |                                                                            |
| <u>TNFalpha / TNFSF2</u> | Tumor Necrosis Factor Alpha                                     | Cytolysis of tumor cells; induces cell differentiation                     |
| <u>TWEAK / TNFSF12</u>   | Tumor Necrosis Factor SuperFamily member 12 (also called Apo3L) | <del>Induces</del> Induces tumor cell death, influences astrocyte behavior |